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IRAC-IR&DC-M-003
1 April 1974

INTELLIGENCE RESEARCH AND DEVELOPMENT COUNCIL

MEMORANDUM FOR THE INTELLIGENCE RESEARCH & DEVELOPMENT
COUNCIL

SUBJECT: Draft Minutes of the 21 March 1974 IR&DC Meeting

1. The attached draft minutes of the 21 March 1974 Intelligence Research & Development Council are submitted herewith for IR&DC consideration.

IR&DC Action Requested

2. IR&DC members are requested to advise the Secretariat by close of business 10 April 1974 of their approval or comments on the attached minutes.

Executive Secretary

Attachments as stated

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INTELLIGENCE RESEARCH AND DEVELOPMENT COUNCIL

Minutes of Third Meeting
Intelligence Research & Development Council
Central Intelligence Agency, at 0915 hours, 21 March 1974

Director, Defense Research & Engineering
Dr. Malcolm R. Currie
Presiding

MEMBERS PRESENT

Dr. Stephen J. Lukasik, Director, Defense Advanced Research Projects
Agency

Vice Admiral Vincent P. dePoix, USN, Director, Defense Intelligence
Agency

Mr. Morton E. Goulder, Deputy Assistant Secretary of Defense
(Intelligence & Warning Systems)

Dr. Walter LaBerge, Assistant Secretary of the Air Force, Research
& Development

Dr. Samuel Koslov, Office of Assistant Secretary of the Navy, Research
& Development (attending for Dr. David Potter)

25X1 [] Associate Deputy Director for Science and
Technology, Central Intelligence Agency

25X1 [] Deputy Director for Research and Engineering,
National Security Agency

Mr. James W. Plummer, Under Secretary of the Air Force

ALSO PRESENT

25X1 [] Acting Deputy to the DCI for the Intelligence
Community Staff*

Brigadier General John E. Kulpa, Jr., Director, Office of Space
Systems, Office of the Secretary of the Air Force

*Present for part of meeting.

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1. Approval of Minutes

15 January 1974 meeting (IRAC-IR&DC-M-002)

The Secretary reported that the members had telephonically approved the draft minutes of the 15 January meeting. The Chairman, noting this action, signified that the minutes as circulated in draft form are approved.

2. Opening Remarks

The Chairman opened the meeting by stating that there would be a need to meet more frequently than in the past to complete the review of the several programs. Dr. Currie, observing that establishing a set time and day of the month for future Council sessions should be helpful to the members for scheduling/planning purposes, designated the first Tuesday of each month (1000-1200 hours) for regularly scheduled sessions, with the proviso that additional sessions might be necessary. (Secretary's note: This scheduling will be in effect beginning with the 7 May 1974 session.)

3. DIA R&D Program

Continuation of program presentation from 15 January meeting.

25X1 [] addressed this portion of the session. Speaking from a set of graphics, copies of which are attached, he provided a brief review of the dollars allocated to the DIA 1974-75 R&D program and then proceeded to discuss DIA's assessment of Department of Defense R&D funds allocated for the functional areas of intelligence, i. e., collection, processing, production, and support. [] continued by noting the seemingly wide disparity between R&D resources allocated for collection (85%) as compared to the other functional areas. In particular, he cited the example wherein efforts to improve the flow of current intelligence to WWMCCS (World-Wide Military Command and Control System), in a sense an ultimate consumer, large expenditures are projected for collection systems and special processing centers, but only minor expenditures are presently planned

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for operational intelligence and warning centers -- a key point in the flow of information to WWMCCS. [] observed that additional focus in this technical area was needed, specifically in warning center design, to insure that multi-sensor information can be correlated in near real-time, and also in research into development of realistic warning indicators.

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[] then reviewed DIA present and planned efforts towards improvement of analytic methodology. He discussed briefly the incorporation of Bayesian concepts into training programs for intelligence officers, citing some research into the application of these concepts in the estimative process, and mentioned the cooperative work between DIA and ARPA.

Considerable discussion ensued among the members with regard to the estimative process, particularly with the intelligence community's capability to sense the future thrust of Soviet/Chinese technology. Vice Admiral dePoix observed that perhaps the community is derelict in its efforts to fully exploit open-source literature, noting that the Soviets tend to discuss new concepts quite openly initially, but all references to a particular technological approach disappear when apparently incorporated into a weapons system.

[] continued his presentation by discussing DIA efforts to improve the processing, analysis, and dissemination of imagery within the Defense Department. Discussion evolved among the members concerning the provision of imagery to the CINC's or lower echelon tactical commands on a near real-time basis in the future. DIA's proposed program to accomplish the former was briefly reviewed. The Chairman observed that this was a key area for the Council to focus on because of the interrelationship between national and tactical intelligence resources, and secondly to insure that technological opportunities were being fully considered in future imagery dissemination systems development. Mr. Plummer suggested that certain briefings be provided the Council as an initial step prior to reviewing DIA's proposed program in depth; this was concurred to by the Chairman. (Secretary's note: Proposed briefings scheduled for 7 May 1974 session.)

The DIA presentation concluded by discussing areas wherein DIA foresees need for additional technological emphasis and research

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to meet/improve satisfaction of intelligence requirements and functions. A summary of these requirements is included in the attached graphics. Vice Admiral dePoix remarked that DIA, in conjunction with the National Security Industrial Association, is planning a seminar in mid-May 1974 at the SECRET level. The purpose of the seminar is to solicit innovative ideas from industry concerning emerging technology related to Increased Productivity/Modernization of intelligence such as imagery handling, ADP support to analysts, and S&T intelligence production.

4. Defense Advanced Research Projects Agency Program

Dr. Lukasik opened his portion of the session by observing that he had titled ARPA's program as intelligence-related R&D because ARPA is not formally nor officially a part of the intelligence community. He noted briefly at the outset some lack of communications between ARPA and the intelligence community due to compartmentation, citing, for example, the fact that he personally is the sole possessor within ARPA of the several clearances extending across the various intelligence programs.

Dr. Lukasik's presentation was based on areas of ARPA's effort which are not formally structured within ARPA as such, but can be categorized as follows: directly intelligence related; not primarily intelligence motivated, but where intelligence is one of several possible consumers; and that non-intelligence R&D which could impact upon intelligence. Graphics (attached) depicting past and present efforts under these categories were displayed which highlighted information previously provided by ARPA which is contained in the Council's 1974 R&D Program document (IRAC-IR&DC-A-1.1/3).

Some discussion centered on present research efforts within and external to ARPA to accomplish space-object imaging. The Chairman queried Dr. Lukasik as to his opinion as to the efficiency of the transfer of technology from ARPA, citing LWIR technology assimilation by the Air Force as a case in point. Dr. Lukasik replied that he was of the opinion that it is a fairly effective process and that he could think of very few cases where this transfer had not occurred.

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As the briefing continued, brief discussions evolved centering on the applicability of U.S. research into covert communications and Soviet technology in this area, and various methods such as requesting assistance from the National Academy of Sciences to gain a perspective of the Soviet mass approach to technology. Dr. LaBerge asked [] if CIA could develop a list of technologies that the Soviets are pursuing, and also render some appreciation as to why the U.S. Government is not.

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Dr. Lukasik then presented a break-out of FY 1974 ARPA funds, totalling some [] and representing 45.5 percent of the ARPA budget, distributed to the three aforementioned categories.

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The briefing was terminated at this time by the Chairman because of time considerations. He requested that the remainder of the briefing be presented during the first portion of the next meeting.

5. Consideration of Draft Status Report to IRAC

A draft memorandum from the Chairman to the DCI was circulated among the members for review. Comments from the members were incorporated into the memorandum which was signed and forwarded by the Chairman on 26 March 1974 (IRAC-IR&DC-A-006).

6. Program Descriptions

The Chairman noted that the Council Program Description document (IRAC-IR&DC-A-1.1/3) had been distributed to the members on 8 March. He remarked that definitive guidelines had not been established for the various program submissions on this initial compilation of information, and observed that the members could now probably foresee areas where a change of format or type of information would make the document more useful to them. He requested Mr. Goulder to chair a working group, composed of representatives of Council member organizations, to devise a common format for subsequent sessions. The Chairman stated that October 1974 appeared to be an appropriate time for document revision; hence, he would expect the ad hoc working group to submit its recommendations to the Council by mid July.

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7. Clearances

25X1 The Secretary reported that all members now have the necessary clearances as established at the 15 January 1974 meeting. He also noted that, in some cases, members might need to request additional clearances for persons within their respective organizations who provide staff support to the Council member. [] requested that the Secretariat be kept informed of these additional requests.

[]

Executive Secretary

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Attachments:

1. Defense Intelligence Agency Graphics
2. Defense Advanced Research Projects Agency Graphics

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